

**REMARKS**

Claims 35-50 are pending in this application. Claims 40 and 50 have been amended to insert the proper sequence identifier assigned to the sequence found in the claims.

The amendment to page 19, line 7, inserts the amino acid sequence corresponding to the sequence found in claims 40 and 50 at a location in the Specification providing a description of the FLAG<sup>TM</sup> epitope tag. The amendment to this paragraph also inserts a sequence identifier for another sequence previously included in the Sequence Listing.

Applicants request entry of this amendment in adherence with 37 C.F.R. §§1.821 to 1.825. This amendment is accompanied by a floppy disk containing the above named sequences, SEQ ID NOS:1-8, in computer readable form, and a paper copy of the sequence information which has been printed from the floppy disk.

The information contained in the computer readable disk was prepared through the use of the software program "PatentIn" and is identical to that of the paper copy. This amendment contains no new matter.

**CONCLUSION**

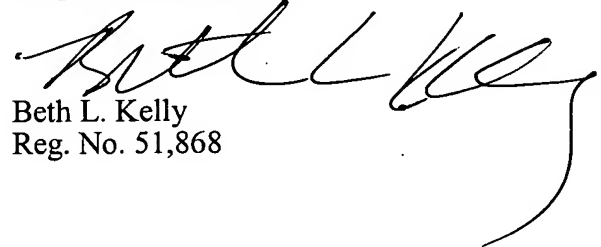
In view of the foregoing, Applicants believe all claims now pending in this Application are in condition for allowance. The issuance of a formal Notice of Allowance at an early date is respectfully requested.

Appl. No. 10/799,016  
Amdt. dated August 18, 2006  
Reply to Office Communication of August 1, 2006

PATENT

If the Examiner believes a telephone conference would expedite prosecution of this application, please telephone the undersigned at 415-576-0200.

Respectfully submitted,

A handwritten signature in dark ink, appearing to read 'Beth L. Kelly', with a long, sweeping horizontal line extending to the right.

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Amdt. dated May 4, 2006  
Reply to Office Action of January 4, 2006

PATENT

40. (Currently amended) The  $\alpha$ -2,3-sialyltransferase polypeptide of claim 39, wherein the amino acid tag is a member selected from the group consisting of polyhistidine, maltose binding protein, myc, V-5, and FLAG DYKDDDK.

Need SEQ ID NO.

41. (Currently amended) A method of adding a sialic acid residue to an acceptor molecule comprising a terminal galactose residue, the method comprising contacting the acceptor molecule with an activated sialic acid molecule and an  $\alpha$ -2,3-sialyltransferase polypeptide of claim 35 or claim 37.

42. (Previously presented) The method of claim 41, wherein the terminal galactose residue is linked through a linkage to a second residue in the acceptor molecule.

43. (Previously presented) The method of claim 42, wherein the linkage is a  $\beta$ 1,4 linkage.

44. (Previously presented) The method of claim 43, wherein the second residue is a Glc or a GlcNAc.

45. (Previously presented) The method of claim 42, wherein the linkage is a  $\beta$ 1,3 linkage.

46. (Previously presented) The method of claim 45, wherein the second residue is a GlcNAc or a GalNAc.

47. (Previously presented) The method of claim 41, wherein the activated sialic acid is CMP-Neu5Ac.

48. (Currently amended) The method of claim 41, ~~comprising contacting the acceptor molecule with an activated sialic acid molecule and an  $\alpha$ -2,3-sialyltransferase polypeptide of claim 37~~ wherein the  $\alpha$ -2,3-sialyltransferase polypeptide comprises an amino acid sequence with at least 95% identity to residues 1-328 of SEQ ID NO:2, over the entire length of residues 1-328.

49. (Previously presented) The method of claim 41, wherein the  $\alpha$ -2,3-sialyltransferase polypeptide further comprises an amino acid tag.

50. (Currently amended) The method of claim 49, wherein the amino acid tag is a member selected from the group consisting of polyhistidine, maltose binding protein, myc, V-5, and FLAG DYKDDDK.

Needs SEQ ID No.